

FORM PTO-1390 (REV. 5-93)		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		ATTORNEY'S DOCKET NUMBER
				R0108T
		U.S. APPLICATION NO. (if known, see 37 CFR 1.3)		N/A
				09/980623
INTERNATIONAL APPLICATION NO.	INTERNATIONAL FILING DATE		PRIORITY DATE CLAIMED	
PCT/JP00/01935	March 29, 2000		July 19, 1999	
TITLE OF INVENTION HEAT EXCHANGER				
APPLICANT(S) FOR DO/EO/US Muneo SAKURADA and Soichi KATO				
Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:				
1.	<input checked="" type="checkbox"/> This is a FIRST submission of items concerning a filing under 35 U.S.C. 371.			
2.	<input type="checkbox"/> This is a SECOND or SUBSEQUENT submission of items concerning a filing under 35 U.S.C. 371.			
3.	<input checked="" type="checkbox"/> This express request to begin national examination procedures (35 U.S.C. 371(f)) at any time rather than delay examination until the expiration of the applicable time limit set in 35 U.S.C. 371(b) and PCT Articles 22 and 39(1).			
4.	<input checked="" type="checkbox"/> A proper Demand for International Preliminary Examination was made by the 19th month from the earliest claimed priority date.			
5.	<input checked="" type="checkbox"/> A copy of the International Application as filed (35 U.S.C. 371(c)(2)) <ul style="list-style-type: none"> a. <input type="checkbox"/> is transmitted herewith (required only if not transmitted by the International Bureau). b. <input checked="" type="checkbox"/> has been transmitted by the International Bureau. c. <input type="checkbox"/> is not required, as the application was filed in the United States Receiving Office (RO/US) 			
6.	<input checked="" type="checkbox"/> A translation of the International Application into English (35 U.S.C. 371(c)(2)).			
7.	<input type="checkbox"/> Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3)) <ul style="list-style-type: none"> a. <input type="checkbox"/> are transmitted herewith (required only if not transmitted by the International Bureau). b. <input type="checkbox"/> have been transmitted by the International Bureau. c. <input type="checkbox"/> have not been made; however, the time limit for making such amendments has NOT expired. d. <input type="checkbox"/> have not been made and will not be made. 			
8.	<input type="checkbox"/> A translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)).			
9.	<input checked="" type="checkbox"/> An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)).			
10.	<input type="checkbox"/> A translation of the annexes to the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(c)(5)).			
Items 11. to 16. below concern other document(s) or information included:				
11.	<input type="checkbox"/> An Information Disclosure Statement under 37 CFR 1.97 and 1.98.			
12.	<input checked="" type="checkbox"/> An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included.			
13.	<input checked="" type="checkbox"/> A FIRST preliminary amendment. <input type="checkbox"/> A SECOND or SUBSEQUENT preliminary amendment.			
14.	<input type="checkbox"/> A substitute specification.			
15.	<input type="checkbox"/> A change of power of attorney and/or address letter.			
16.	<input type="checkbox"/> Other items or information:			

S. APPLICATION NO. (U.S. Serial No. or 37 CFR 1.5) 09/980623		INTERNATIONAL APPLICATION NO. PCT/JP00/01935	ATTORNEY'S DOCKET NUMBER R0108T																
17. <input checked="" type="checkbox"/> The following fees are submitted:		CALCULATIONS PTO USE ONLY																	
Basic National Fee (37 CFR 1.492(a)(1)-(5)): Search Report has been prepared by the EPO or JPO..... \$830.00 International preliminary examination fee paid to USPTO (37 CFR 1.482) \$640.00 No international preliminary examination fee paid to USPTO (37 CFR 1.482) but international search fee paid to USPTO (37 CFR 1.445(a)(2)).. \$710.00 Neither international preliminary examination fee (37 CFR 1.482) nor international search fee (37CFR 1.445(a)(2)) paid to USPTO..... \$950.00 International preliminary examination fee paid to USPTO (37 CFR 1.482) and all claims satisfied provisions of PCT Article 33(2)-(4)..... \$90.00																			
ENTER APPROPRIATE BASIC FEE AMOUNT = \$ 890																			
Surcharge of \$130.00 for furnishing the oath or declaration later than <input type="checkbox"/> 20 <input type="checkbox"/> 30 months from the earliest claimed priority date (37 CFR 1.492(e)).		\$																	
<table border="1"> <thead> <tr> <th>Claims</th> <th>Number Filed</th> <th>Number Extra</th> <th>Rate</th> </tr> </thead> <tbody> <tr> <td>Total Claims</td> <td>10 -20 -</td> <td>0</td> <td>X \$22.00 \$ 0</td> </tr> <tr> <td>Independent Claims</td> <td>1 - 3 -</td> <td>0</td> <td>X \$74.00 \$ 0</td> </tr> <tr> <td>Multiple dependent claims(s) (if applicable)</td> <td></td> <td></td> <td>+ \$230.00 \$ 0</td> </tr> </tbody> </table>		Claims	Number Filed	Number Extra	Rate	Total Claims	10 -20 -	0	X \$22.00 \$ 0	Independent Claims	1 - 3 -	0	X \$74.00 \$ 0	Multiple dependent claims(s) (if applicable)			+ \$230.00 \$ 0		
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Multiple dependent claims(s) (if applicable)			+ \$230.00 \$ 0																
TOTAL OF ABOVE CALCULATIONS = \$ 0																			
Reduction by 1/2 for filing by small entity, if applicable. Verified Small Entity statement must also be filed. (Note 37 CFR 1.9, 1.27, 1.28).		\$																	
SUBTOTAL = \$ 0																			
Processing fee of \$130.00 for furnishing the English translation later the <input type="checkbox"/> 20 <input type="checkbox"/> 30 months from the earliest claimed priority date (37 CFR 1.492(f)).		+ \$																	
TOTAL NATIONAL FEE = \$ 890																			
Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property +		\$ 40																	
TOTAL FEES ENCLOSED = \$ 930		<table border="1"> <tr> <td>Amount to be: refunded</td> <td>\$</td> </tr> <tr> <td>charged</td> <td>\$</td> </tr> </table>		Amount to be: refunded	\$	charged	\$												
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charged	\$																		
a. <input checked="" type="checkbox"/> A check in the amount of \$ <u>930</u> to cover the above fees is enclosed.																			
b. <input type="checkbox"/> Please charge my Deposit Account No. _____ in the amount of \$ _____ to cover the above fees. A duplicate copy of this sheet is enclosed.																			
c. <input checked="" type="checkbox"/> The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. <u>30-0060</u> . A duplicate copy of this sheet is enclosed.																			
NOTE: Where an appropriate time limit under 37 CFR 1.494 or 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed and granted to restore the application to pending status.																			
SEND ALL CORRESPONDENCE TO:		 KANESAKA & TAKEUCHI 1423 Powhatan Street Alexandria, VA22314 Attn: Yusuke Takeuchi Tel: (703)519-9785 Fax: (703)519-7769																	
		SIGNATURE	Yusuke Takeuchi																
		NAME	30,921																
		REGISTRATION NUMBER																	

09/980623

JC03 Rec'd PCT/PTO 05 DEC 2001

The PTO did not receive the following
listed item(s)

NO POST CARD